

Notice of Allowability

Application No.

10/784,703

Examiner

Michael Vu

Applicant(s)

IM ET AL.

Art Unit

2617

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 5/04/2007.
2. ☒ The allowed claim(s) is/are 1-6,8-15,17-20 and 22-31.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

DETAILED ACTION

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.
2. Authorization for this examiner's amendment was given in a telephone interview with Attorney of record David C. Oren on July 12, 2007.
3. **In claim 8, delete** "A portable terminal, comprising: a main unit that includes first and second key sections spaced apart from each other separately accessible to a surface of the main unit; and a display unit that includes a display screen, wherein the display unit is configured to selectively move relative to the surface of the main unit between a first position where both the first and second key sections of the main unit are not accessible, a second position where only one of the first and second key sections is accessible, and a third position where both the first and second key sections are accessible, wherein the first key section is operated to perform a first function of inputting numbers and the second key section is operated to perform a second function of different multimedia functions", and **insert** - - A portable terminal, comprising: a main

unit that includes first and second key sections spaced apart from each other separately accessible to a surface of the main unit; a display unit that includes a display screen, wherein the display unit is configured to selectively move relative to the surface of the main unit between a first position where both the first and second key sections of the main unit are not accessible, a second position where only one of the first and second key sections is accessible, and a third position where both the first and second key sections are accessible, wherein the first key section is operated to perform a first function of inputting numbers and the second key section is operated to perform a second function of different multimedia functions; *and a stopper mechanism to stop and maintain the display unit at exactly the second position - -*, thereto.

4. **In claim 10, delete** "A slide type portable terminal, comprising: a main unit including separated first and second key sections and a first plate on a surface of the main unit, wherein the first key section is operated to perform a first function and the second key section is operated to perform a second function different than the first function; a display unit that includes a display screen on a front surface of the display unit and a second plate slidingly coupled to the first plate so that the first and second key sections of the main unit are selectively covered and exposed; first and second magnets on the first and second plates, respectively, so that the same poles of the magnets face each other to provide a repulsive force when they are positioned to face close to each other; and a stopper mechanism to temporarily stop the display unit at a position where only one of the first and second key sections is exposed", and **insert - -**

A slide type portable terminal, comprising: a main unit including separated first and second key sections and a first plate on a surface of the main unit, wherein the first key section is operated to perform a first function and the second key section is operated to perform a second function different than the first function; a display unit that includes a display screen on a front surface of the display unit and a second plate slidingly coupled to the first plate so that the first and second key sections of the main unit are selectively covered and exposed; *wherein the display unit can be selectively slid to a first position where both the first and second key sections of the main unit are exposed, a second position where only one of the first and second key sections is exposed, and a third position where both the first and second key sections are not exposed*; first and second magnets on the first and second plates, respectively, so that the same poles of the magnets face each other to provide a repulsive force when they are positioned to face close to each other; and a stopper mechanism to stop *and maintain* the display unit at *the second* position where only one of the first and second key sections is exposed - - , thereto.

5. **In claim 19, delete** "A method, comprising: sliding a display unit of a portable terminal to a first position where both first and second separated key sections of a main unit of the portable terminal are exposed in an upper surface of the main unit; sliding the display unit to a second position where only one of the first and second key sections is exposed; sliding the display unit to a third position where both the first and second key sections are covered; and providing a resistive locking member between the display unit

Art Unit: 2617

and the main unit, wherein the resistive locking member has an engaging member and an engagement member that retractably engage at least when the display unit is in the second position”, and **insert** - - A method, comprising: sliding a display unit of a portable terminal to a first position where both first and second separated key sections of a main unit of the portable terminal are exposed in an upper surface of the main unit; sliding the display unit to a second position where only one of the first and second key sections is exposed; sliding the display unit to a third position where both the first and second key sections are covered; and providing a resistive locking member between the display unit and the main unit, wherein the resistive locking member has an engaging member and an engagement member that retractably engage at least when the display unit is in the second position, *wherein the resistive locking member stops and maintains the display unit at exactly the second position* - - , thereto.

6. **In claim 22, delete** “A system including a slide type portable terminal with a first unit having spaced apart first and second plurality of keys exposed in a surface of the first unit and slidably coupled to a second unit, the second unit including a third plurality of keys, the system comprising: a stopping mechanism coupled to the first and second units and configured to stop the first and second units in a first position where both the first and second plurality of keys of the first unit are exposed, to stop one of the first unit or the second unit in a second position where the third plurality of keys and only one of the first and second plurality of keys are exposed, and to allow the first unit and the second unit to be in a third position relative to each other where both the first and

Art Unit: 2617

second plurality of keys are not exposed”, and **insert** - - A system including a slide type portable terminal with a first unit having spaced apart first and second plurality of keys exposed in a surface of the first unit and slidingly coupled to a second unit, the second unit including a third plurality of keys, the system comprising: *a display screen exposed to a front surface of the second unit, wherein the second unit is configured to slide relative to the surface of the first unit to cause the first and second key sections of the first unit to be selectively exposed, wherein the display unit can be selectively slid to a first position where both the first and second key sections of the first unit are exposed, a second position where only one of the first and second key sections is exposed, and a third position where both the first and second key sections are not exposed; and a* stopping mechanism coupled to the first and second units and configured to stop the first and second units in *the* first position where both the first and second plurality of keys of the first unit are exposed, to stop *and maintain* one of the first unit or the second unit in *exactly the* second position where the third plurality of keys and only one of the first and second plurality of keys are exposed, and to allow the first unit and the second unit to be in *the* third position relative to each other where both the first and second plurality of keys are not exposed - - , thereto.

Allowable Subject Matter

7. **Claims 1-6, 8-15, 17-20, and 22-31** are allowed.

8. The following is an examiner's statement of reasons for allowance:

Claims 1, 8, 10, 19, and 22 are allowed in view of Applicant's arguments on May 04, 2007.

Claims 1, 8, 10, 19, and 22 are allowed because the closest prior art, Shindo (US 5,661,641), and Mizuta (US 2003/0171133) fail to anticipate or render obvious as stated in the Applicant's Remarks on pages 10-15, in combination with all other limitations in the claims as defined by applicant.

Dependent claims 2-6, 9, 11-15, 17-18, 20, and 23-31 are allowable for the same reason as set forth above.


Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance".

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael T. Vu whose telephone number is

(571) 272-8131. The examiner can normally be reached on 8:00am - 6:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph Feild can be reached on 571-272-4090. The fax phone number for the organization where this application or proceeding is assigned is 571-272-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Michael T. Vu
Examiner


JOSEPH FEILD
SUPERVISORY PATENT EXAMINER